

SEVEN NEW NOMENCLATORIAL  
COMBINATIONS AND A NEW NAME IN  
*PACKERA* (ASTERACEAE: SENECEONEAE)

DEBRA K. TROCK and THEODORE M. BARKLEY<sup>1</sup>

*Herbarium, Division of Biology*  
*Kansas State University*  
*Manhattan, KS 66506, U.S.A.*  
*dkwel@ksu.edu*

ABSTRACT

The following new combinations and new name are proposed: *Packera bolanderi* var. *harfordii* (Greenm.) D.K. Trock & T.M. Barkley, comb. nov.; *Packera dimorphophylla* var. *intermedia* (T.M. Barkley) D.K. Trock & T.M. Barkley, comb. nov.; *Packera dimorphophylla* var. *paysoni* (T.M. Barkley) D.K. Trock & T.M. Barkley, comb. nov.; *Packera pseudaurea* var. *flavula* (Greene) D.K. Trock & T.M. Barkley, comb. nov.; *Packera pseudaurea* var. *semicordata* (Mack. & Bush) D.K. Trock & T.M. Barkley, comb. nov.; *Packera neomexicana* var. *toumeyii* (Greene) D.K. Trock & T.M. Barkley, comb. nov.; *Packera neomexicana* var. *metcalfei* (Greene) D.K. Trock & T.M. Barkley, comb. nov.; and *Packera buckii* D.K. Trock & T.M. Barkley, nom. nov.

RESUMEN

Se proponen las siguientes nuevas combinaciones y nuevo nombre: *Packera bolanderi* var. *harfordii* (Greenm.) D.K. Trock & T.M. Barkley, comb. nov.; *Packera dimorphophylla* var. *intermedia* (T.M. Barkley) D.K. Trock & T.M. Barkley, comb. nov.; *Packera dimorphophylla* var. *paysoni* (T.M. Barkley) D.K. Trock & T.M. Barkley, comb. nov.; *Packera pseudaurea* var. *flavula* (Greene) D.K. Trock & T.M. Barkley, comb. nov.; *Packera pseudaurea* var. *semicordata* (Mack. & Bush) D.K. Trock & T.M. Barkley, comb. nov.; *Packera neomexicana* var. *toumeyii* (Greene) D.K. Trock & T.M. Barkley, comb. nov.; *Packera neomexicana* var. *metcalfei* (Greene) D.K. Trock & T.M. Barkley, comb. nov.; y *Packera buckii* D.K. Trock & T.M. Barkley, nom. nov.

The genus *Packera* (Asteraceae: Senecioneae) has been known widely as the Aureoid group of *Senecio*, and the recognition of *Packera* necessitates many nomenclatorial transfers. Preparation of the treatment of *Packera* for the Flora of North America project has drawn our attention to the transfers proposed here. Type specimens for the basionyms are provided by Barkley (1978). The combinations *P. pseudaurea* var. *semicordata* and *P. dimorphophylla* var. *intermedia* are proposed simply for consistency in the use of "varietas"

<sup>1</sup>Present address: Botanical Research Institute of Texas, 509 Pecan Street, Fort Worth, TX 76102-4060, U.S.A., e-mail: barkley@brit.org

as the infraspecific rank of choice in *Packera*. The two epithets are otherwise available as subspecies.

***Packera bolanderi* var. *harfordii*** (Greenm.) D.K. Trock & T.M. Barkley, comb. nov. BASIONYM: *Senecio harfordii* Greenm. in Piper, Contr. U.S. Natl. Herb. 11:567. 1906. *Senecio bolanderi* var. *harfordii* (Greenm.) T.M. Barkley

***Packera dimorphophylla* var. *intermedia*** (T.M. Barkley) D.K. Trock & T.M. Barkley, comb. nov. BASIONYM: *Senecio dimorphophyllus* var. *intermedius* T.M. Barkley, Trans. Kansas Acad. Sci. 65:362. 1963. *Packera dimorphophylla* subsp. *intermedia* (T.M. Barkley) Weber & Löve.

***Packera dimorphophylla* var. *paysoni*** (T.M. Barkley) D.K. Trock & T.M. Barkley, comb. nov. BASIONYM: *Senecio dimorphophyllus* var. *paysoni* T.M. Barkley, Trans. Kansas Acad. Sci. 65:362. 1963.

***Packera pseudaurea* var. *flavula*** (Greene) D.K. Trock & T.M. Barkley, comb. nov. BASIONYM: *Senecio flavulus* Greene, Pittonia 4:108. 1900. *Senecio pseudaureus* var. *flavula* (Greene) Greenm. *Packera pseudaurea* subsp. *flavula* (Greene) Weber & Löve.

***Packera pseudaurea* var. *semicordata*** (Mack & Bush) D.K. Trock & T.M. Barkley, comb. nov. BASIONYM: *Senecio semicordatus* Mack. & Bush, Rep. Missouri Bot. Gard. 16:107. 1905. *Senecio aureus* var. *semicordatus* (Mack. & Bush) Greenm. *Senecio pseudaureus* var. *semicordatus* (Mack. & Bush) T.M. Barkley.

***Packera neomexicana* var. *toumeyii*** (Greene) D.K. Trock & T.M. Barkley, comb. nov. BASIONYM: *Senecio toumeyii* Greene, Pittonia 3:349. 1898. *Senecio neomexicanus* var. *toumeyii* (Greene) T.M. Barkley.

***Packera neomexicana* var. *metcalfei*** (Greene) D.K. Trock & T.M. Barkley, comb. nov. BASIONYM: *Senecio metcalfei* Greene ex Wootton & Standl., Contr. U.S. Natl. Herb. 16:193. 1913. *Senecio neomexicanus* var. *metcalfei* (Greene) T.M. Barkley.

The situation with the epithet "*cymbalarioides*" is complicated. A single-headed plant of wet, open sites in western U.S. and adjacent Canada was long known as *Senecio subnudus* DC., a name that was introduced by A.P. de Candolle in 1837. Unfortunately, de Candolle used the epithet "subnudus" twice; the other time for an African plant. Heinrich W. Buek (1840) recognized the error in his index to the Prodrum and he chose the African plant to be the correct *Senecio subnudus*. He then called the American plant *Senecio cymbalarioides* H. Buek, and unfortunately, this name remained forgotten until the 1960s (Barkley 1962). In the meantime, a widespread plant of western North America was named *Senecio cymbalarioides* by Thomas Nuttall. It was necessary to change the name of the North American *S. subnudus* DC. to *S. cymbalarioides* H. Buek, and *S. cymbalarioides* Nutt. then became *S. streptanthifolius* Greene, which is the next oldest available name for that entity (Barkley 1962). Recognition of the genus *Packera* required

the transfer of many epithets into that genus and, unfortunately, *Senecio cymbalarioides* Nutt. was transferred into *Packera* where it became *P. cymbalarioides* (Nutt.) W.A. Weber & A. Löve, (Weber & Löve 1981). Shortly thereafter, Weber and Löve recognized that it was *S. cymbalarioides* H. Buek that should have been transferred to *Packera*, so they made the combination: *P. cymbalarioides* (H. Buek) W.A. Weber & A. Löve (Weber 1984). The transfer of the Nuttall epithet into *Packera* preoccupies that name in *Packera* so *Packera cymbalarioides* (H. Buek) W.A. Weber & A. Löve is illegitimate and must be rejected according to the International Code of Botanical Nomenclature (Greuter et al. 1994). Thus, the American plant first known as *Senecio subnudus* DC. and then as *Senecio cymbalarioides* Buek must have a new name. The new epithet that we chose for this distinctive plant commemorates Heinrich Wilhelm Buek, the 19th Century German botanist whose carefully prepared index to de Candolle's Prodrômus gave rise to the need for this new name.

***Packera buekii*** D.K. Trock & T.M. Barkley, nom. nov. BASIONYM: *Senecio subnudus* DC., Prodr. 6:37. 1837 (non *S. subnudus* DC., Prodr. 6:405. 1837). *Senecio cymbalarioides* Buek, Gen. Sp. Synon. Cand. 2:6. 1840 (non *S. cymbalarioides* Nutt., Trans. Amer. Phil. Soc. II. 7:412.1841.).

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